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DATE: 02/14/2002

PATENT APPLICATION: US/09/917,800A

TIME: 11:11:33

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Output Set: N:\CRF3\02142002\I917800A.raw

3 <110> APPLICANT: Mendrick, Donna
4 Porter, Mark
5 Johnson, Kory
6 Castle, Arthur
7 Elashoff, Michael
8 Gene Logic, Inc.
10 <120> TITLE OF INVENTION: Molecular Toxicology Modeling
12 <130> FILE REFERENCE: 44921-5038-US
14 <140> CURRENT APPLICATION NUMBER: US 09/917,800A
15 <141> CURRENT FILING DATE: 2001-07-31
17 <150> PRIOR APPLICATION NUMBER: US 60/222,040
18 <151> PRIOR FILING DATE: 2000-07-31
20 <150> PRIOR APPLICATION NUMBER: US 60/222,880
21 <151> PRIOR FILING DATE: 2000-11-02
23 <150> PRIOR APPLICATION NUMBER: US 60/290,029
24 <151> PRIOR FILING DATE: 2001-05-11
26 <150> PRIOR APPLICATION NUMBER: US 60/290,645
27 <151> PRIOR FILING DATE: 2001-05-15
29 <150> PRIOR APPLICATION NUMBER: US 60/292,336
30 <151> PRIOR FILING DATE: 2001-05-22
32 <150> PRIOR APPLICATION NUMBER: US 60/295,798
33 <151> PRIOR FILING DATE: 2001-06-06
35 <150> PRIOR APPLICATION NUMBER: US 60/297,457
36 <151> PRIOR FILING DATE: 2001-06-13
38 <150> PRIOR APPLICATION NUMBER: US 60/298,884
39 <151> PRIOR FILING DATE: 2001-06-19
41 <150> PRIOR APPLICATION NUMBER: US 60/303,459
42 <151> PRIOR FILING DATE: 2001-07-09
44 <160> NUMBER OF SEQ ID NOS: 1740
46 <170> SOFTWARE: PatentIn Ver. 2.1
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61 <210> SEQ ID NO: 2
62 <211> LENGTH: 301
63 <212> TYPE: DNA

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67 <223> OTHER INFORMATION: Genbank Accession No. AA684919
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72 gtcattcttga ctgcattctgg actcacatag gaggcacctc tgggagtatg tgggagggtg 180
73 ctgccagaga ggcttaacag gatggcagac atttctgaat atgggcagca gcaaaccatc 240
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86 <221> NAME/KEY: misc_feature
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93 cccccagacc cggaaactcta ttaatccctg gtcaggccag gctgaagagg gatgagctga 180
94 ctgggacaag ctggattcag cccggttctg tcaactgggt gcattgaagg gcagcgcacg 240
95 ctgggtttcat cgggtttgtca ggagagcgca accactcctt cttcagcagc tgcttcagct 300
96 gtnagagccg catgtttgggg ttttcctgct tcaaccgtgg cagcttcanc tcctcaaatg 360
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115 ctgattatgc tctgactaga aattatttgg aacttatggt ggagcttcct tggaacaaaa 180
116 gtacaactga ccgcctggac atccgggcag cccgcacctt tctggacaat gaccactatg 240
117 ccatggaaaa gctgaagagg aggggttttg gactactttg gctgttgaga 290
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120 <211> LENGTH: 342
121 <212> TYPE: DNA
122 <213> ORGANISM: Rattus norvegicus
124 <220> FEATURE:

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125 <223> OTHER INFORMATION: Genbank Accession No. AA686461
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129 tgggtgtccat cactacagtg gcaataacat tgaattgggc acagcgtgtg gaaaatacta 120
130 cagagtatgc aactggcta tcattgaccc aggtgattcc gatattatta gaagcatgcc 180
131 agaacagact ggtgagaagt aaacaagaaa gttctccttt aataaaactt tgccagagct 240
132 ccttttaaaa aatatggtgt ctgggcttct tcttgtttgg ctttcttgaa accactggca 300
133 agacttgggt gaaagtatat tatactgcct ggtttccatt tt 342
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136 <211> LENGTH: 496
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138 <213> ORGANISM: Rattus norvegicus
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145 cgtagagaga cccagcaagg caccacaccc tctcatggca gagagggagc agtggggcag 120
146 ggtgagggcc agctaataaa gcctcccctc ccccccttaa ctttgttcat agggc aaatg 180
147 gctgacggaa ggagaagggtg ggtaggttga gagggatgc gtcaagactt ggggagaggt 240
148 agcagatagc cgtcttgagg ctctgttttc aatgagtagt cctagtcgac cttaaccaaa 300
149 gctccatccg attgtattct tgccaaaaca caacagacac atgcacgaac atggggcgta 360
150 agcaataatg tcctctogtg ttctccacgg ctgctcgaac caagtggctg gttcatttgg 420
151 ttgacactga ttgccttta accatgacgg ttctgtttt ttatttcaca gaaagccaat 480
152 aaaattgttt agctat 496
154 <210> SEQ ID NO: 7
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157 <213> ORGANISM: Rattus norvegicus
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160 <223> OTHER INFORMATION: Genbank Accession No. AA799323
162 <400> SEQUENCE: 7
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164 gaactcagaa tacaaaagaa cgaacatctc gtctctctcc agccttgaga ctttctggaa 120
165 tatccgtgag gtctccaaag ttcccctggc aagttacaca ggcacaagat tgttttcttt 180
166 gagtgccggg atgcggtgaa caaacatata aagtgagaat tcttgcttca gtgaatatta 240
167 aataaacaat aatgctacag ctgggaccca tctgagtga ggcgtacgac agaacgcca 300
168 ctgaaagtgc aaagtctggt catgaatt 328
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171 <211> LENGTH: 591
172 <212> TYPE: DNA
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175 <220> FEATURE:
176 <223> OTHER INFORMATION: Genbank Accession No. AA799461
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180 ggggacattc actggtcaaa gggcacactt agcgacagac aggaactgtc tctttcctta 120
181 cgtctgataa attactctg ctgtaacctt tggatgaaat gcaaggaggc agtccccggg 180
182 cttcagcgtg atttgaggtc tacaggctct ccagggggcc acagtttgtg aattccgact 240
183 ttgctgagcg ggaggcttgg caggatcagg cagcaggtgc tgggacaaca ctggctctcc 300

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184 tggcctggct gcctactctg ctgggggctg cagatggccc acagacatgg cacatcctct 360
185 ttcaaacctg gggatcagtc ttctcttttg tgtcactctg tggagagcag aagctctctg 420
186 ctctgttccc tctctagcta tagcaggaaa cacagtaaga cacataaatt aggtcatttg 480
187 ccgcctctca gtgcctgtca aggacaaaag ttcatggtaa tgaactgtcc agcacagccc 540
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190 <210> SEQ ID NO: 9

191 <211> LENGTH: 683

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196 <223> OTHER INFORMATION: Genbank Accession No. AA799498

198 <400> SEQUENCE: 9

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199 ccaaaagcaa gaaataggct atgtttatta cactgtggca agtttgtgct ggaagataag 60
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201 gatcacttga gaggtgtgct cagagctggg gaaagaagag ccgcaggcag agtcagaagc 180
202 cagagtctgc agccaggagg tcttctctaa acaacctcag cccgtcacag cccaaacgac 240
203 tgactgcgcc aatccggtct atcttctgcc caaagcagct tgaactatgt gccatcttgg 300
204 aatttcgaag tctctcctgg atccgggaag cgctgtcttg agacctagg actcttttta 360
205 gaagttcttt tgtagggcct tggctccttg agagctgtct ctgagccatt tcctctgact 420
206 tttctcttat cagctccagc agcttcggca tcgtggattg ttccggggac tggctaagac 480
207 ttcccagggg atgggagtga cctcccaggg gcgacagatt aaggaaaagc aggagcagaa 540
208 tcatctgggg caccacctcg ggagatccag gtggcagaat gatgggcaag cacctgcaag 600
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214 <212> TYPE: DNA

215 <213> ORGANISM: Rattus norvegicus

217 <220> FEATURE:

218 <223> OTHER INFORMATION: Genbank Accession No. AA799511

220 <220> FEATURE:

221 <221> NAME/KEY: misc_feature

222 <222> LOCATION: (1)..(731)

223 <223> OTHER INFORMATION: n = a or c or g or t

225 <400> SEQUENCE: 10

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228 atcaacaccc atttttgga ttttattaag aacctgtact aaatgaagt tttaatcaga 180
229 aaacattccc ttttacctta aaagtgttct ttaaatgaag gcaccaacaa gaactacttt 240
230 cagatggtag agaatttctt atttcttgaa gactctgtgg ttgacctt cttcattagt 300
231 tacctgcagc aagacacctt ccattttact accaacacca ctgaagggaag caagaaaagc 360
232 tttattaatg atcacttggc ttgcctcagc tgttgaaatg aagcacttta cagtctttgt 420
233 ggcaccagaa tatacttgtc catggttcat atcaatgcca tgggaagtgg gaaaaactca 480
234 atacgggttc ctccaccata accccaattc ctccactct ccaggacata gttcctccaa 540
235 catagggtcc ccagtcagg aacaacaaag ttcaacctca tgaccttgt aaaggtgcgc 600
236 tcnegccgctc ggccaatctg gccccaggcaa atcccaaaagg ggccataatc caacagggcaa 660
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238 accacaatgt g 731

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240 <210> SEQ ID NO: 11

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 245 <220> FEATURE:
 246 <223> OTHER INFORMATION: Genbank Accession No. AA799523
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 251 <223> OTHER INFORMATION: n = a or c or g or t
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 256 aatcttaaaa aaggtttcac atgtcacctg aaacttacaa atttaacatt atcaaagaag 180
 257 gaatgcttct acactcttac aaagaccact agaaagaacc aacattttaa aggctagaaa 240
 258 ctgtctcaaa gcattttttt ttacatcctt cctcaacagt aagtattaat tatcaatcca 300
 259 **tcacaaatgc tctcgcacgc ctctgtgtct ccgcatacaa tgctattagc atactganat 360**
 260 aaagttctaa aatgtaattc gaaactgagc cgctcgtact cgggctcaca ctcccaataa 420
 261 caattacccc aggaattaga aaatcaatac ggtcttcaaa tacccaattc caatcccaaa 480
 262 cac 483
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 265 <211> LENGTH: 570
 266 <212> TYPE: DNA
 267 <213> ORGANISM: Rattus norvegicus
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 273 <221> NAME/KEY: misc_feature
 274 <222> LOCATION: (1)..(570)
 275 <223> OTHER INFORMATION: n = a or c or g or t
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 280 agatgccttc tcattagttt cttctagtgt tgcaattcta gatccaaatt gtatggcccg 180
 281 tttgggcaga agggcagagg atgagagacc aagttccaca gctgcaaggc gtaaaatgag 240
 282 cttctcacca actccacggg gcaaagccag gtctaccttt tcccaaaactg gcagagaatt 300
 283 caggaaagat acaacatttt catccagaaa aggaaatctt gcttcctttc catgatcagc 360
 284 aataactcta tcatcacgac caaggtttct agaagaaatg cgacccaatt ccattgctat 420
 285 ttcctcatto aatccttcta ggccaagaga ctgaaagcgg gcacgatgac gggataaacc 480
 286 **tgccaactgc tcatctgcna caatcccagt gagaatcacc tttgcaactgc tcttgntaga 540**
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 297 <220> FEATURE:
 298 <221> NAME/KEY: misc_feature
 299 <222> LOCATION: (1)..(633)

Use of n and/or Xaa has been detected in the Sequence Listing.
 Review the Sequence Listing to insure a corresponding
 explanation is presented in the <220> to <223> fields of
 each sequence using n or Xaa.

VERIFICATION SUMMARY

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L:114 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:236 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10
L:259 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11
L:286 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12
L:311 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13
L:312 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13
L:313 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13
L:358 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15
L:381 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16
L:383 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16
L:410 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17
L:907 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:42
L:1011 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:47
L:1506 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:73
L:1766 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:86
L:2077 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:103
L:2103 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:104
L:2456 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:123
L:2858 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:144
L:2859 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:144
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L:3051 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:154
L:3377 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:171
L:3453 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:175
L:3607 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:183
L:3700 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:188
L:3933 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:200
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L:4521 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:230
L:4561 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:232
L:4670 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:237
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L:5093 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:258
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L:5596 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:285
L:5637 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:287
L:5679 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:289
L:5775 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:294
L:5931 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:303
L:6151 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:315

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